

Fig. 2

006080-00092360

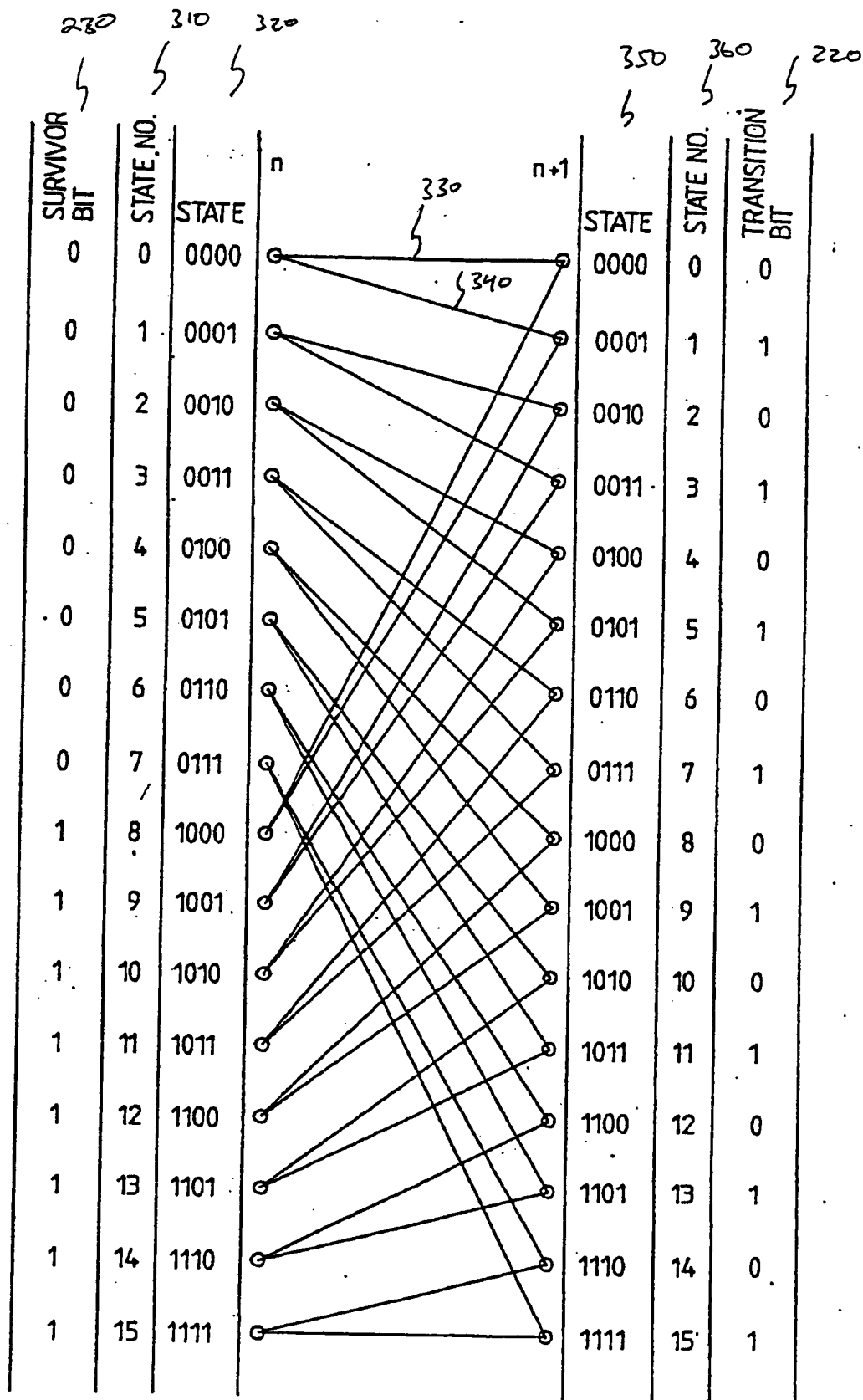
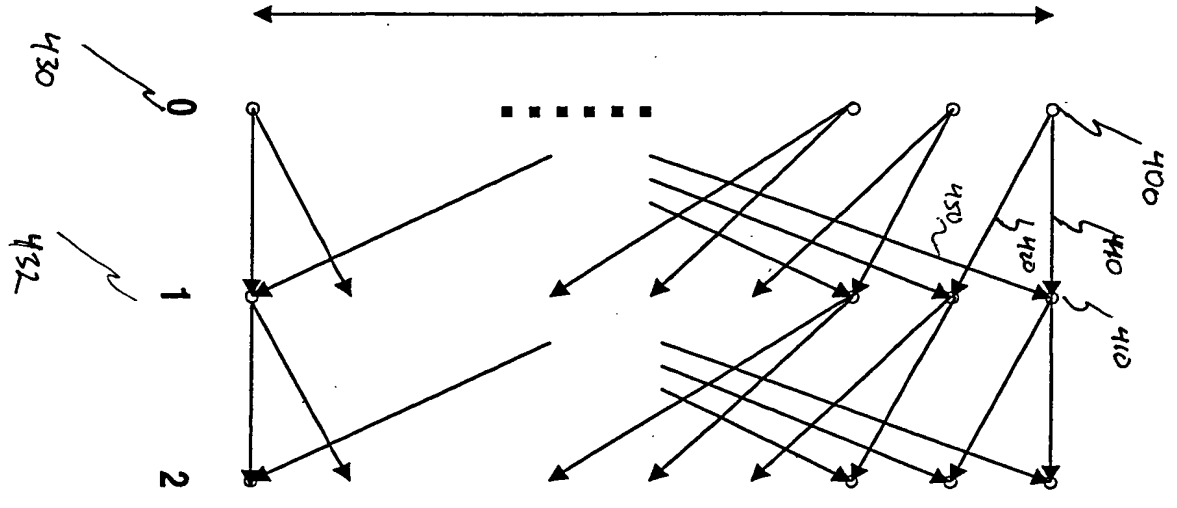
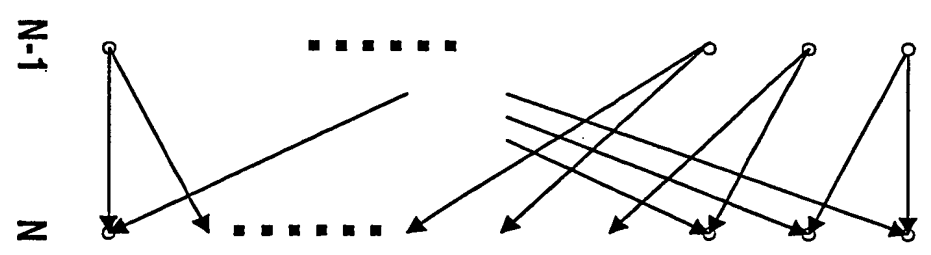


Fig. 3

$2^L$  STATES



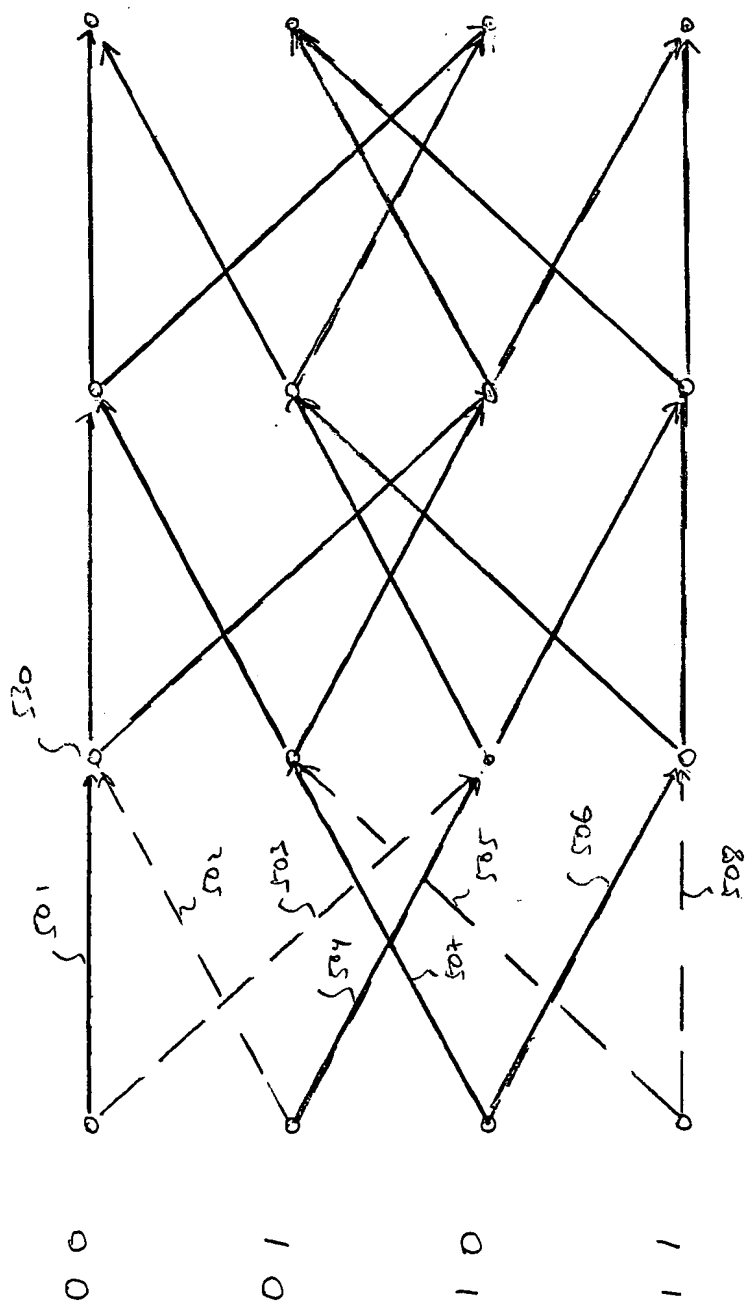
TRELLIS STAGE



405

Fig. 4

006020" 00092960



205 ~

535 ~

2

520 ~

510 ~

Fig. 5.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

2600

Fig. 6

n	$q_n$	$F(q_n, 0)$	$F(q_n, 1)$
0	00000	s	$F(q_n, 0) - 2s_5$
1	00001	$F(q_{n-1}, 0) - 2s_1$	$F(q_n, 0) - 2s_5$
2	00011	$F(q_{n-1}, 0) - 2s_2$	$F(q_n, 0) - 2s_5$
3	00010	$F(q_{n-1}, 0) + 2s_1$	$F(q_n, 0) - 2s_5$
4	00110	$F(q_{n-1}, 0) - 2s_3$	$F(q_n, 0) - 2s_5$
5	00111	$F(q_{n-1}, 0) - 2s_1$	$F(q_n, 0) - 2s_5$
6	00101	$F(q_{n-1}, 0) + 2s_2$	$F(q_n, 0) - 2s_5$
7	00100	$F(q_{n-1}, 0) + 2s_1$	$F(q_n, 0) - 2s_5$
8	01100	$F(q_{n-1}, 0) - 2s_4$	$F(q_n, 0) - 2s_5$
9	01101	$F(q_{n-1}, 0) - 2s_1$	$F(q_n, 0) - 2s_5$
10	01111	$F(q_{n-1}, 0) - 2s_2$	$F(q_n, 0) - 2s_5$
11	01110	$F(q_{n-1}, 0) + 2s_1$	$F(q_n, 0) - 2s_5$
12	01010	$F(q_{n-1}, 0) + 2s_3$	$F(q_n, 0) - 2s_5$
13	01011	$F(q_{n-1}, 0) - 2s_1$	$F(q_n, 0) - 2s_5$
14	01001	$F(q_{n-1}, 0) + 2s_2$	$F(q_n, 0) - 2s_5$
15	01000	$F(q_{n-1}, 0) + 2s_1$	$F(q_n, 0) - 2s_5$
16	10000	-s	$F(q_n, 0) + 2s_5$
17	10001	$F(q_{n-1}, 0) + 2s_1$	$F(q_n, 0) + 2s_5$
18	10011	$F(q_{n-1}, 0) + 2s_2$	$F(q_n, 0) + 2s_5$
19	10010	$F(q_{n-1}, 0) - 2s_1$	$F(q_n, 0) + 2s_5$
20	10110	$F(q_{n-1}, 0) + 2s_3$	$F(q_n, 0) + 2s_5$
21	10111	$F(q_{n-1}, 0) + 2s_1$	$F(q_n, 0) + 2s_5$
22	10101	$F(q_{n-1}, 0) - 2s_2$	$F(q_n, 0) + 2s_5$
23	10100	$F(q_{n-1}, 0) - 2s_1$	$F(q_n, 0) + 2s_5$
24	11100	$F(q_{n-1}, 0) + 2s_4$	$F(q_n, 0) + 2s_5$
25	11101	$F(q_{n-1}, 0) + 2s_1$	$F(q_n, 0) + 2s_5$
26	11111	$F(q_{n-1}, 0) + 2s_2$	$F(q_n, 0) + 2s_5$
27	11110	$F(q_{n-1}, 0) - 2s_1$	$F(q_n, 0) + 2s_5$
28	11010	$F(q_{n-1}, 0) - 2s_3$	$F(q_n, 0) + 2s_5$
29	11011	$F(q_{n-1}, 0) + 2s_1$	$F(q_n, 0) + 2s_5$
30	11001	$F(q_{n-1}, 0) - 2s_2$	$F(q_n, 0) + 2s_5$
31	11000	$F(q_{n-1}, 0) - 2s_1$	$F(q_n, 0) + 2s_5$

Fig. 7

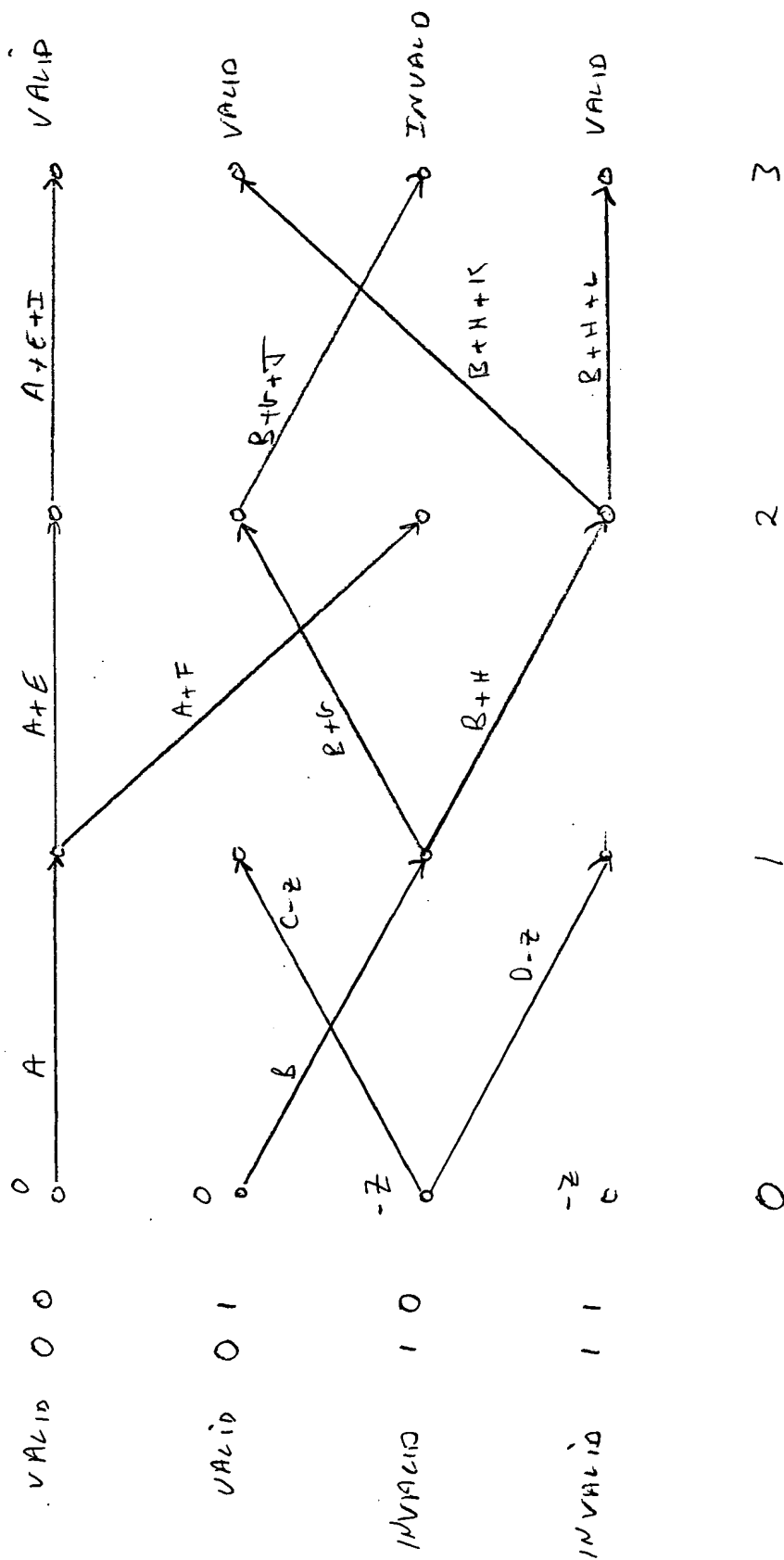
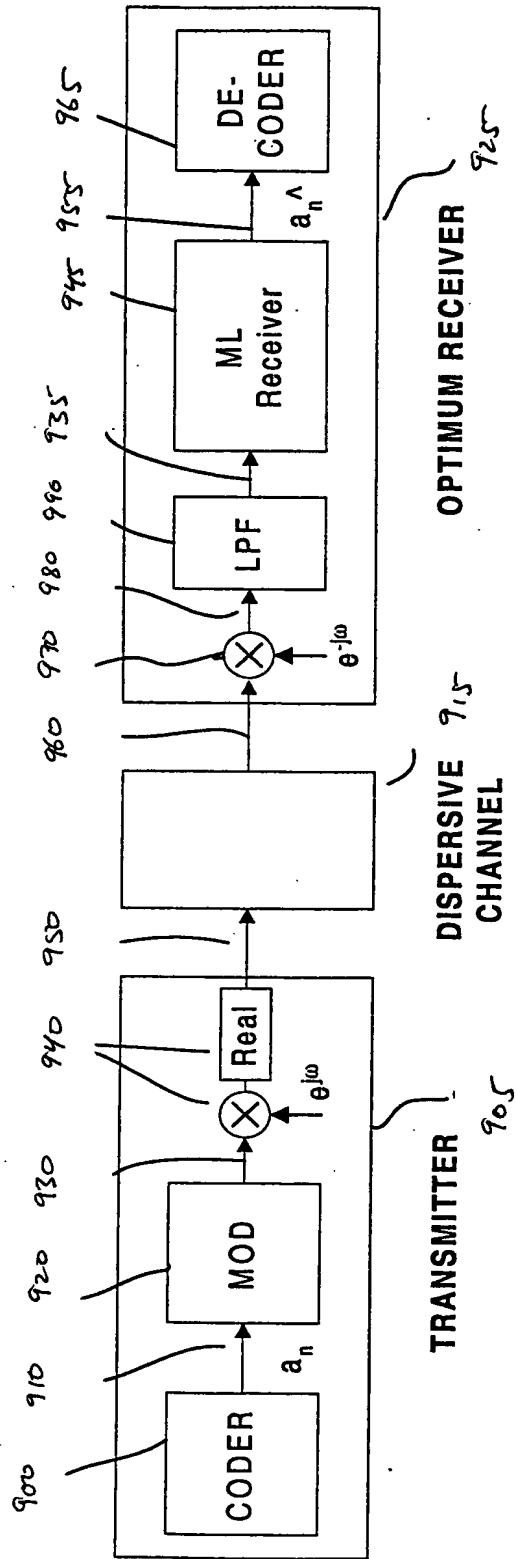


Fig. 8





901

Fig-9







Fig. 12

## F-Generator

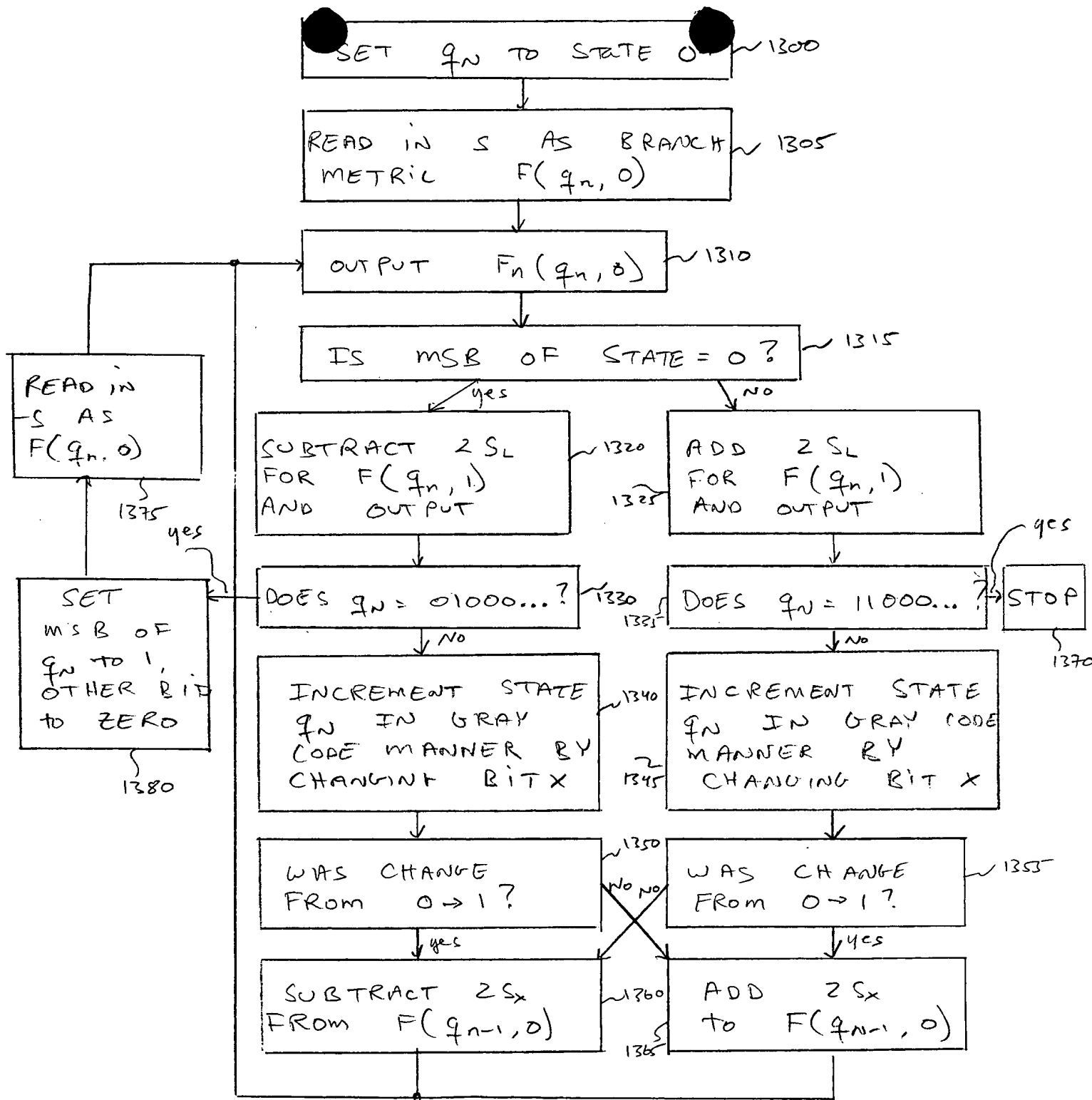
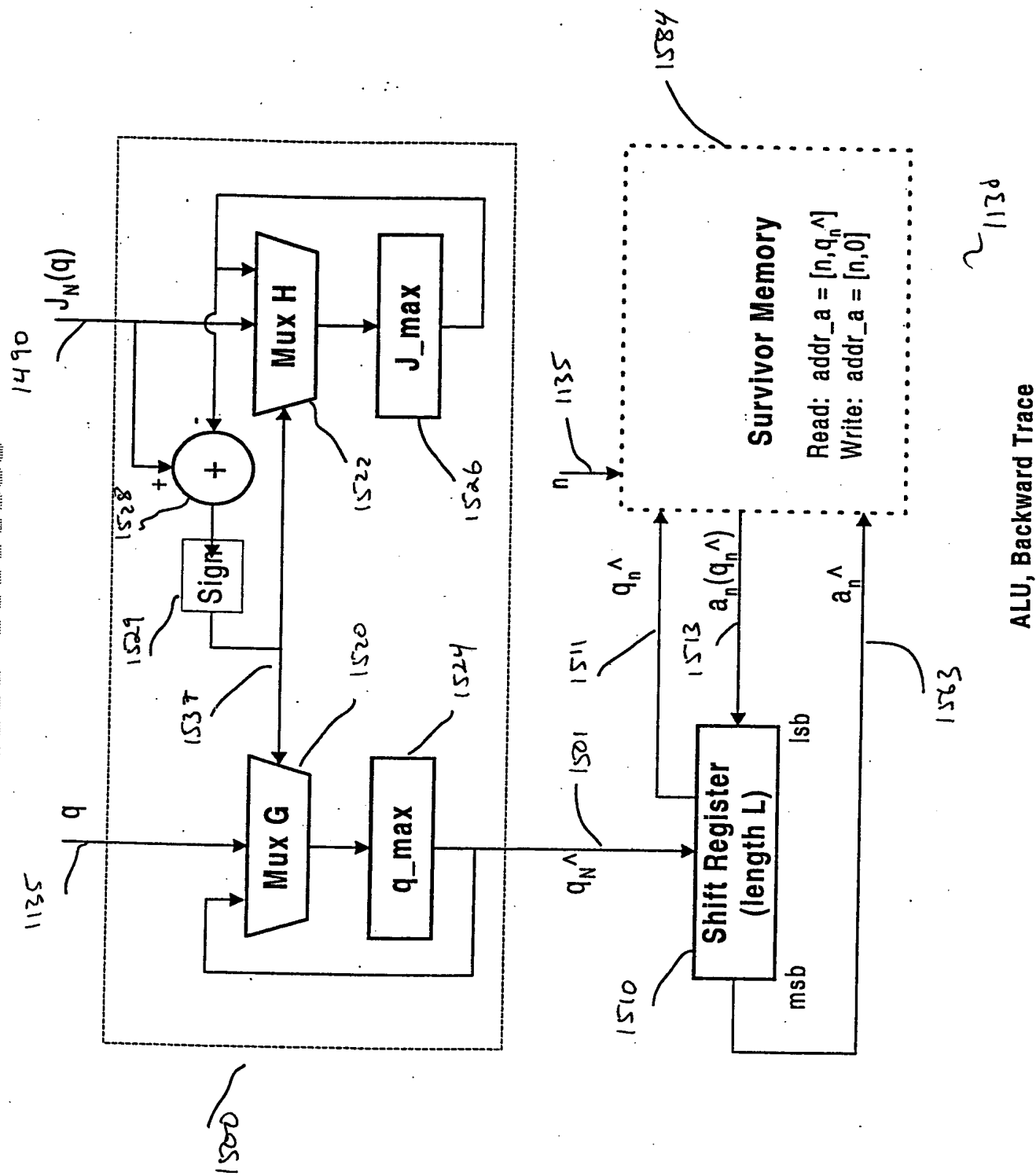


Fig. 13





**Fig. 5**

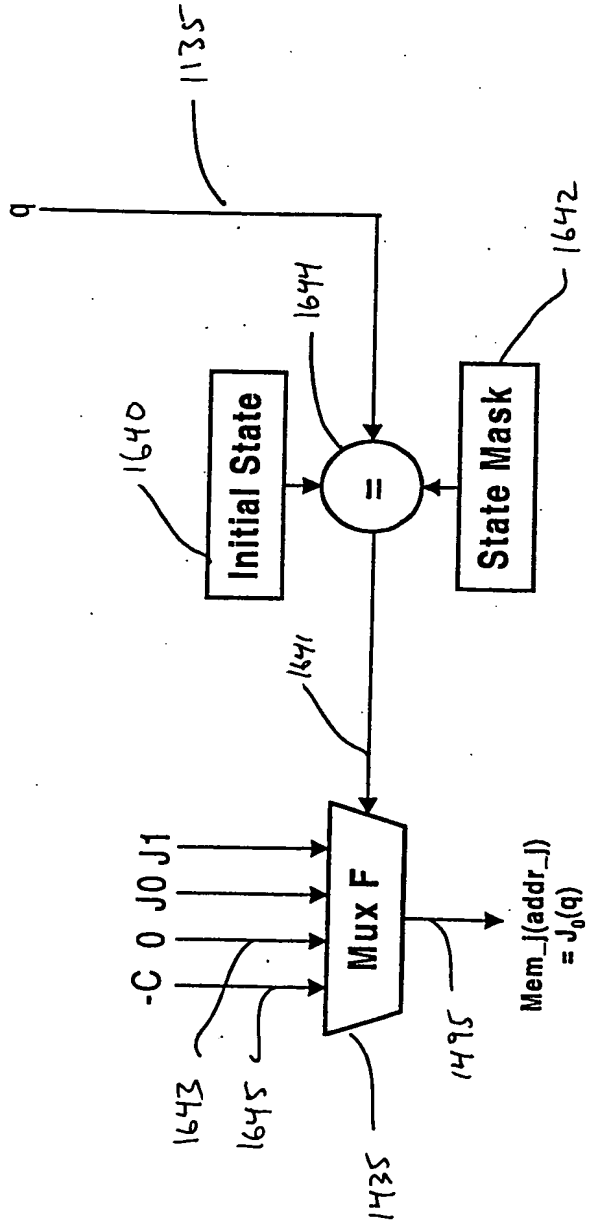


Fig. 16



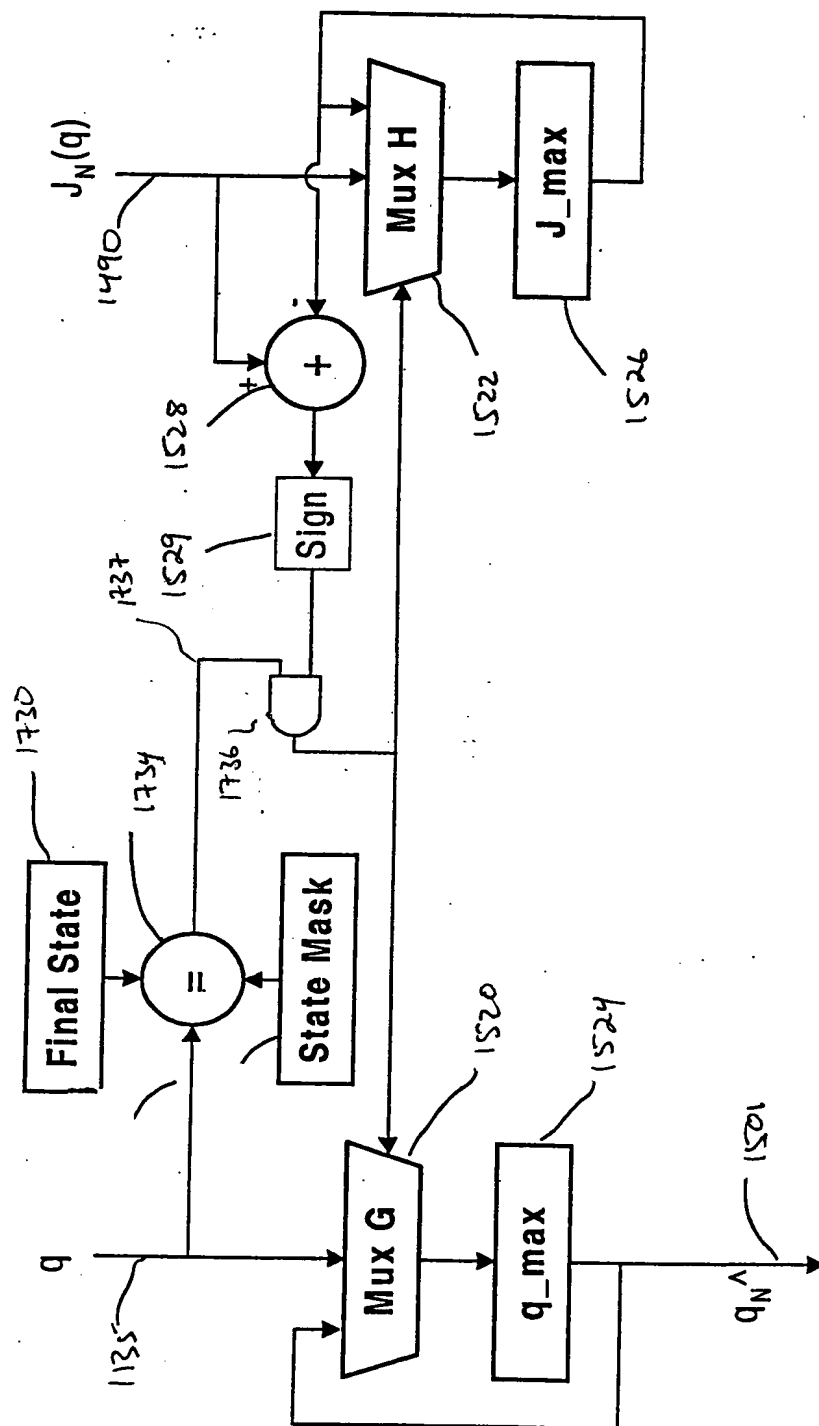


Fig. 17

1137

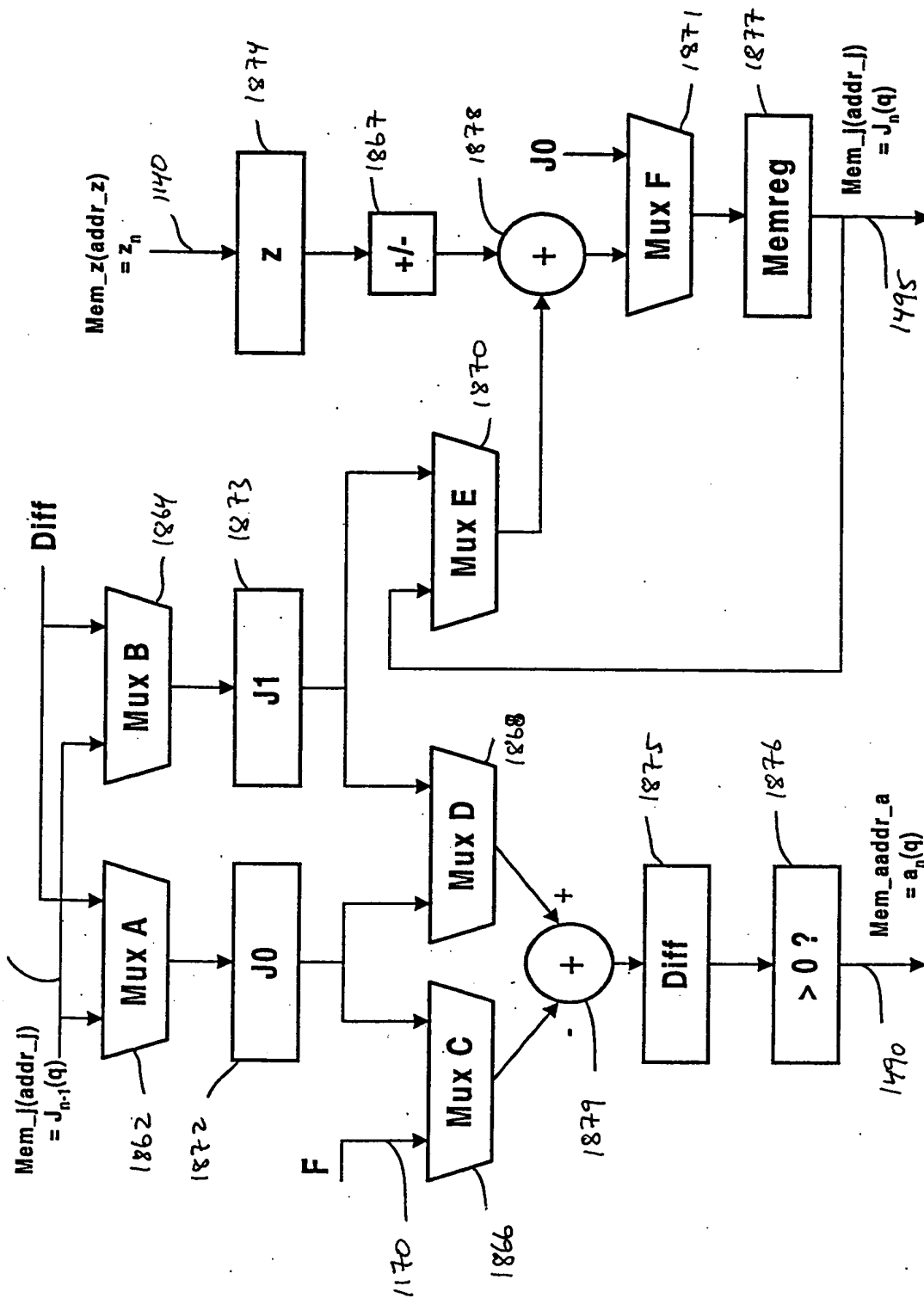


Fig. 18

ALU Alternative,  
Forward Trace

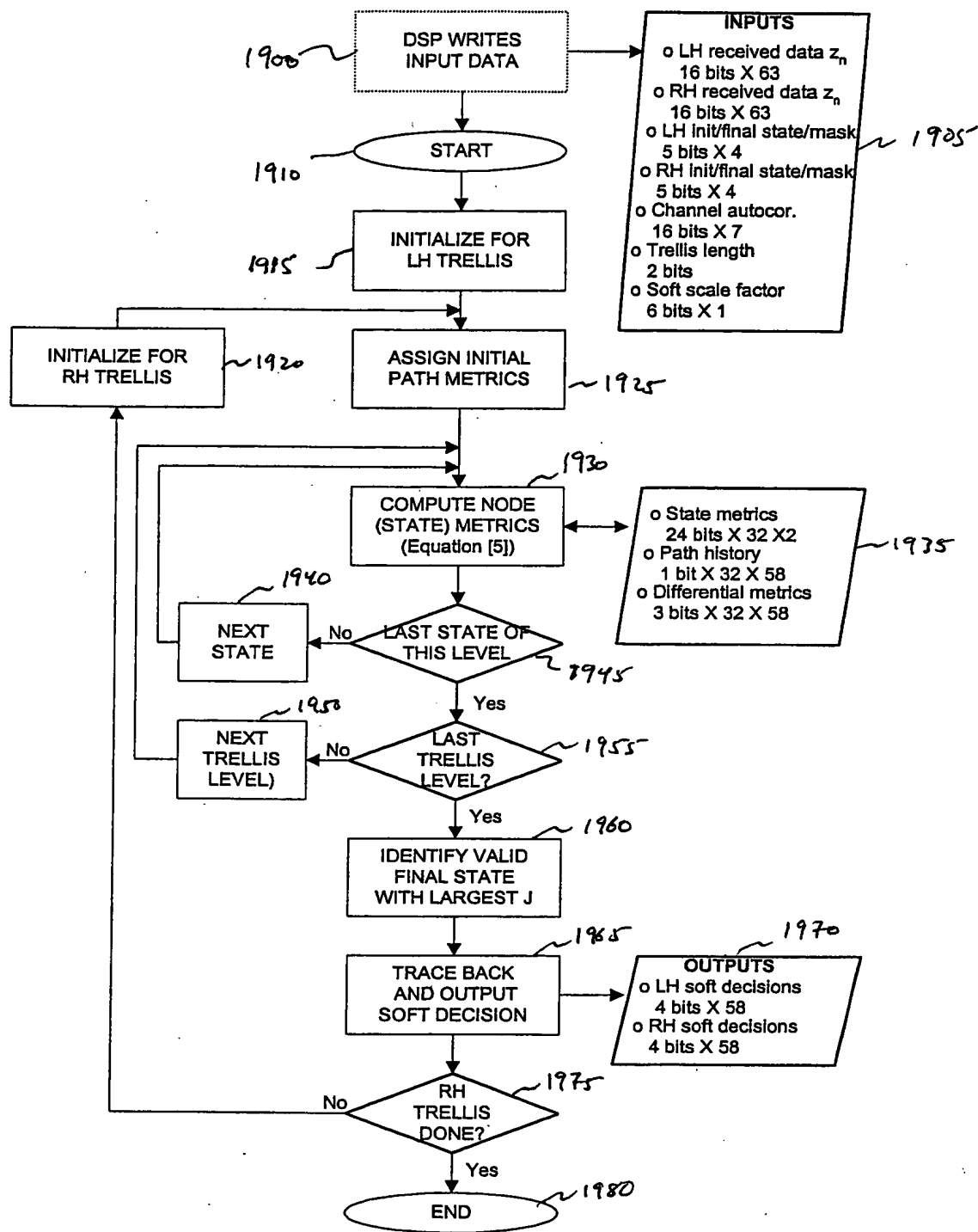


Fig 17.

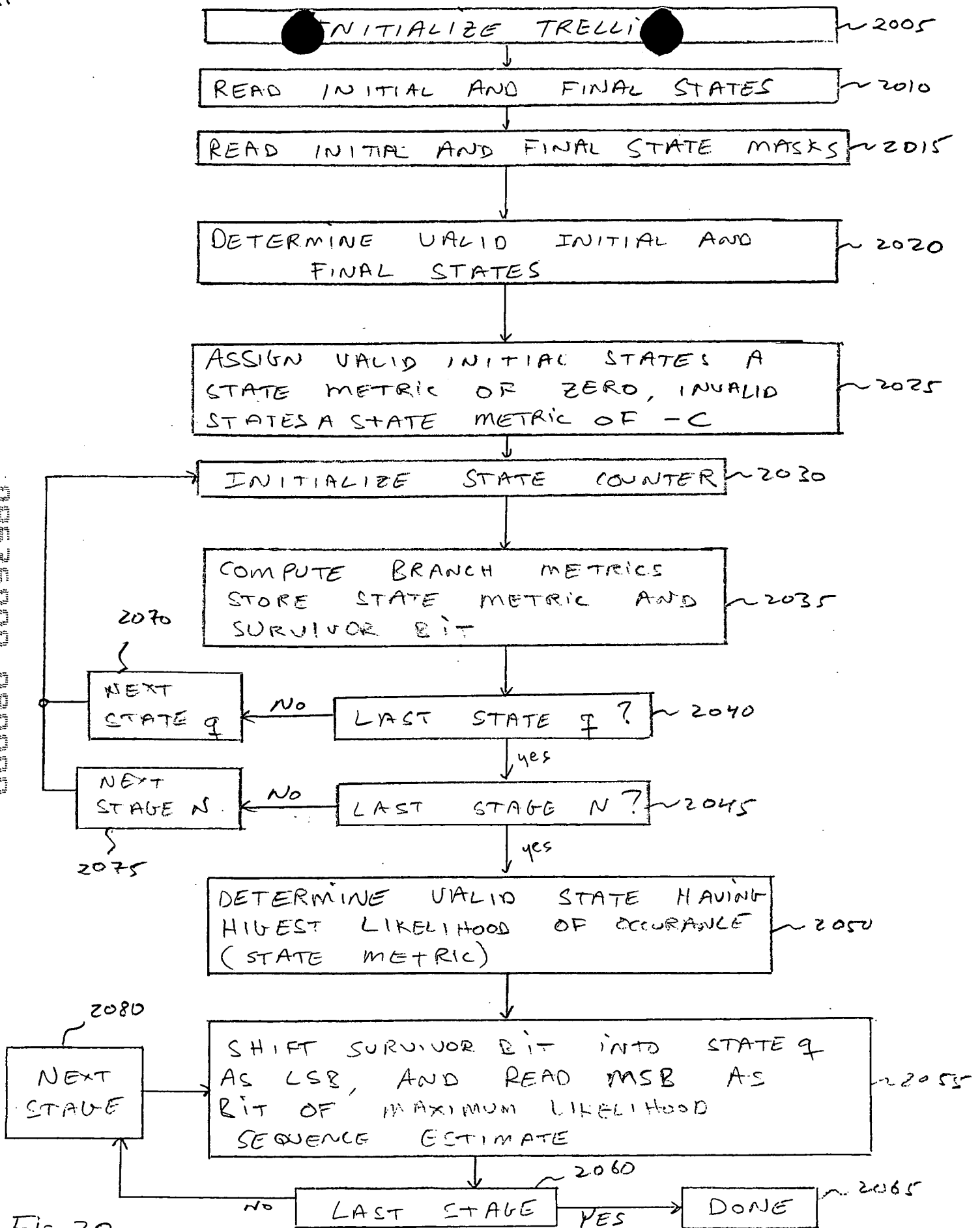


Fig. 20